CLAIMS

What is claimed is:

- 1. A method for treating or reducing the advancement, severity or effects of an immunological disease in an animal comprising the step of administering a pharmaceutical composition which comprises a therapeutically effective amount of a LT-G-R blocking agent and a pharmaceutically acceptable carrier.
 - 2. The method according to claim 1, wherein the LT-6-R blocking agent is selected from the group consisting of a soluble lymphotoxin-6 receptor, an antibody directed against LT-6 receptor, and an antibody directed against surface LT ligand.
 - 3. The method according to claim 2, wherein the animal is a mammal. $\ensuremath{\text{3}}$
 - $oldsymbol{4}$. The method according to claim 3, wherein the mammal is a human.
- 1 5. The method according to claim 1, wherein the LT-£-R blocking agent comprises a soluble lymphotoxin-£ receptor having a ligand binding domain that can selectively bind to a surface LT ligand.
- 1 6. The method according to claim 5, wherein the soluble lymphotoxin-ß receptor further comprises a human immunoglobulin Fc
- 3 domain.

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- The method according to claim 1, wherein the LT-S-R
- 2 blocking agent comprises a monoclonal antibody directed against LT-
- 3 ß receptor.
- 1 8. The method according to claim 7, wherein the composition
- 2 is administered in an amount sufficient to coat LT-S receptor-
- positive cells for 1 to 14 days.

- 1 The method according to claim 4, wherein the LT-G-R 2 blocking agent comprises anti-human LT-S-R mAb BDA8.
- 1 10. The method according to claim 1, wherein the LT-S-R blocking agent comprises a monoclonal antibody directed against 2 surface LT ligand.
 - The method according to claim 10, wherein the composition is administered in an amount sufficient to coat surface LT ligandpositive cells for 1 to 14 days.
 - 12. The method according to claim 10, wherein the antibody is directed against a subunit of the LT ligand.
 - 13. The method according to claim 4, wherein the LT-S-R blocking agent comprises anti-human LT-ß mAb B9.
 - The method according to claim 3, wherein the mammal is a mouse and the LT-S-R blocking agent comprises a monoclonal antibody directed against a murine surface LT ligand.
- 15. A method for inhibiting a Th1 cell-mediated immune response in an animal comprising the step of administering a 2 3 pharmaceutical composition which comprises an effective amount of 4 a LT-S-R blocking agent and a pharmaceutically effective carrier.
- 1 16. The method according to claim 15, wherein the LT-ß-R blocking agent is selected from the group consisting of a soluble 2 lymphotoxin-ß receptor, an antibody directed against LT-ß receptor, 3
- 4 and an antibody directed against surface LT ligand.
- The method according to claim 16, wherein the animal is 1 2 a mammal.
- 18. The method according to claim 17, wherein the mammal is a human.

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- 1 19. The method according to claim 15, wherein the LT-G-R blocking agent comprises a soluble lymphotoxin-S receptor having
- 3 a ligand binding domain that can selectively bind to a surface LT $\,$
- 4 ligand.
- 20. The method according to claim 19, wherein the soluble lymphotoxin-ß receptor further comprises a human immunoglobulin Fc domain.
 - 21. The method according to claim 15, wherein the LT-6-R blocking agent comprises a monoclonal antibody directed against LT-6 receptor.
 - 22. The method according to claim 21, wherein the composition is administered in an amount sufficient to coat LT-E receptor-positive cells for 1 to 14 days.
 - 23. The method according to claim 18, wherein the LT-&-R blocking agent comprises anti-human LT-&-R mAb BDA8.
 - 24. The method according to claim 15, wherein the LT-E-R blocking agent comprises a monoclonal antibody directed against surface LT ligand.
- 25. The method according to claim 24, wherein the composition 2 is administered in an amount sufficient to coat surface LT ligand-3 positive cells for 1 to 14 days.
- 4 26. The method according to claim 24, wherein the antibody 5 is directed against a subunit of the LT ligand.
- 27. The method according to claim 18, wherein the LT-ß-R
 blocking agent comprises anti-human LT-ß mAb B9.
- 1 28. The method according to claim 17, wherein the mammal is
- 2 a mouse and the LT-B-R blocking agent comprises a monoclonal 3 antibody directed against a murine surface LT ligand.

- 1 29. The method according to claim 15, wherein the Th1 cell-2 mediated immune response contributes to a delayed type
- 3 hypersensitivity reaction.

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- 1 30. The method according to claim 29, wherein the delayed type hypersensitivity reaction is contact hypersensitivity.
- 1 31. The method according to claim 29, wherein the delayed 2 type hypersensitivity reaction is tuberculin-type hypersensitivity.
 - 32. The method according to claim 29, wherein the delayed type hypersensitivity reaction is a granulomatous reaction.
 - 33. The method according to claim 15, wherein the Th1 cell-mediated immune response contributes to cellular rejection of tissue in the animal after the animal receives a tissue graft.
 - 34. The method according to claim 15, wherein the Th1 cell-mediated immune response contributes to organ rejection in the animal after the animal receives an organ transplant.
- 1 35. The method according to claim 15, wherein the Th1 cell-2 mediated immune response contributes to an autoimmune disorder in 3 the animal.
- 1 36. The method according to claim 35, wherein the autoimmune 2 disorder is selected from the group consisting of multiple
- 3 sclerosis, insulin-dependent diabetes, sympathetic ophthalmia,
- 4 uveitis and psoriasis.
- 1 37. The method according to claim 15, wherein the Th1 cell-2 mediated immune response is inhibited without inhibiting a Th2
- 3 cell-dependent immune response.
- 1 38. A pharmaceutical composition comprising a therapeutically
- 2 effective amount of a LT-B-R blocking agent and a pharmaceutically
- 3 acceptable carrier.

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- 1 The composition according to claim 38, wherein the LT-G-R
- blocking agent is selected from the group consisting of a soluble
- 3 lymphotoxin-& receptor, an antibody directed against LT-& receptor,
- 4 and an antibody directed against surface LT ligand.
 - The composition according to claim 38, wherein the soluble lymphotoxin-ß receptor comprises a LT-S-R ligand binding domain that can selectively bind to a surface LT ligand.
 - The composition according to claim 40, wherein the lymphotoxin-ß receptor further comprises a soluble immunoglobulin Fc domain.
 - The composition according to claim 38, wherein the LT-S-R blocking agent comprises a monoclonal antibody directed against LTß receptor.
 - 43. The composition according to claim 42, wherein the monoclonal antibody is anti-human LT-G-R mAb BDA8.
- 44. The composition according to claim 38, wherein the LT-G-R 2 blocking agent comprises a monoclonal antibody directed against surface LT ligand.
- 4 45. The composition according to claim 44, wherein the 5 antibody is directed against a subunit of the LT ligand.
- 1 46. The composition according to claim 45, wherein the 2 monoclonal antibody is anti-human LT-S mAb B9.
- 47. The composition according to claim 38, wherein the LT-S-R 1 2 blocking agent comprises a monoclonal antibody directed against a murine surface LT ligand.
- 1 48. The composition according to claim 42, wherein the ? antibody is present in an amount sufficient to coat LT-E receptor-3 positive cells for 1 to 14 days.

- 1 49. The composition according to claim 44, wherein the 2 antibody is present in an amount sufficient to coat surface LT 1 ligand-positive cells for 1 to 14 days.
 - 50. A method for selecting a LT-B-R blocking agent comprising the steps of:
- 3 a) culturing tumor cells in the presence of an 4 effective amount of at least one LT-B-R activating agent and a 5 putative LT-B-R blocking agent; and
 - b) determining whether the putative LT-R-R blocking agent decreases the anti-tumor activity of the LT-R-R activating agent.
 - 51. The method according to claim 50, wherein the LT-g-R activating agent comprises a LT- α/g heteromeric complex.
 - 52. The method according to claim 51, wherein the LT- α/β heteromeric complex has a LT- α/β 2 stoichiometry.
- 1 $\$ 53. The method according to claim 50, wherein the LT-ß-R activating agent comprises an anti-LT-ß-R antibody that stimulates LT-ß-R signalling.
- 1 54. A method for inhibiting LT-E-R signalling without 2 inhibiting TNF-R signalling comprising the step of administering 3 to a subject an effective amount of a LT-E-R blocking agent.
- 1 55. The method according to claim 54, wherein the LT-ß-R
- 2 blocking agent is selected from the group consisting of a soluble
- 3 lymphotoxin-ß receptor, an antibody directed against LT-ß receptor,
- 4 and an antibody directed against surface LT ligand.
- 1 56. The method according to claim 54, wherein the subject comprises one or more cells from a mammal.

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- 1 The method according to claim 56, wherein the mammal is a human.
- The method according to claim 54, wherein the LT-S-R blocking agent comprises a soluble lymphotoxin-ß receptor having a ligand binding domain that can selectively bind to a surface LT 4 ligand.
 - 59. The method according to claim 58, wherein the soluble lymphotoxin-ß receptor further comprises a human immunoglobulin Fc domain.
 - 60. The method according to claim 54, wherein the LT-S-R blocking agent comprises a monoclonal antibody directed against LTß receptor.
 - 61. The method according to claim 57, wherein the LT-S-R blocking agent comprises anti-human LT-G-R mAb BDA8.
 - 62. The method according to claim 54, wherein the LT-B-R blocking agent comprises a monoclonal antibody directed against surface LT ligand.
- 63. The method according to claim 62, wherein the antibody 1 is directed against a subunit of the LT ligand.
- 1 64. The method according to claim 57, wherein the LT-E-R blocking agent comprises anti-human LT-S mAb B9.
- 1 65. The method according to claim 56, wherein the mammal is a mouse and the LT-G-R blocking agent comprises a monoclonal 2 3 antibody directed against a murine surface LT ligand.
- 1 66. The method according to claims 60, wherein the LT-S-R blocking agent is administered in an amount sufficient to coat LT-ß
 - receptor-positive cells for 1 to 14 days.

- 1 67. The method according to claims 62, wherein the LT-S-R blocking agent is administered in an amount sufficient to coat
- 3 surface LT ligand-positive cells for 1 to 14 days.
- 1 68. A method of treating inflammatory bowel syndrome comprising administering a therapeutically effective amount of an $3LT-\beta-R$ fusion protein.
 - 69. The method of claim 68 wherein the fusion protein is LT- $\beta\textsc{-R}$ a fusion of and an immunoglobulin Fc domain.